



P.O. Box 1582 Natchez, MS 39121
101 Clifton Ave. Natchez, MS 39120
avs@salmonarchitect.com
601 442-7090

21 October 2016

Project: Re-Roof Natchez Academic Center
Copiah-Lincoln Community College
Natchez Campus

Owner: State of Mississippi
Bureau of Building, Grounds & Real Property Management
501 North West Street, Suite 1401B
Jackson, MS 39201

Addendum No. 1

The following changes and/or clarifications are made hereby in the Contract Documents as originally issued and dated 26 January 2016. Wherever the original Contract Documents are inconsistent herewith, the provision of the Addendum shall govern.

1) Sheet A-1

The attached sheet A-1 reprints the original document to show gray-scale lines lost in first printing. Specifically these lines show the Academic Center interior floor plan and areas of hard ceilings.

2) Sheet A-4

Add the following to Note 7: Include in proposal repairs to 400 sf each of soft and hard ceiling areas damaged by leaks prior to start of Work.

3) Masonry - 04 05 13

Add the following to General Note 1.01: Include in proposal masonry repair and repointing of 400 sf of wall area, where parapet heights transition or parapet ends walls are exposed. These areas may be located anywhere around building perimeter.

4) Joint Protection - 07 90 00

Amend General Note 1.01 as follows: Provide and install caulking and sealants to be applied in conjunction with other section of this specification, as indicated on the drawings or required to ensure water tightness of the roofing, parapet cladding and coping system and of mechanical and electrical work.

5) Membrane Roofing - 07 50 00

For both SBS membrane (07 52 16) and TPO membrane (07 54 23) roof systems, amend Guarantee paragraph:

3. Wind Rider: Guarantee shall not exclude coverage for wind events up to 72 ~~120~~ mph.

4. Hail Rider: Delete.

5. Accidental Puncture Rider: Delete.

6) Flashing & Sheet Metal - 07 60 00

Amend gauge of Counterflashing as follows: 22 ~~20~~ ga. galvanized steel

7) Demolition - Roofing

Amend note in Drawing 2/A-1 as follows:

Remove all gravel ballast to a location on campus as directed by Co-Lin. Remove and dispose of loose-laid top EPDM membrane and felt liner. Leave bottom EPDM membrane and 1" +/- insulation in place.

For both SBS membrane (07 52 16) and TPO membrane (07 54 23) roof systems:

Tear out all base flashings, counterflashings, pitch pans, pipe flashings, vents and like components necessary for application of new membrane.

Disable existing roof membrane by cutting a minimum 10'x10' grid pattern.

Complete non-destructive moisture test of existing roof system using infrared thermography or nuclear backscatter. Remove and replace wet, deteriorated or damaged roof insulation identified in moisture test. Include in proposal replacement of 800 sf of damaged or wet insulation; 800 sf does not include insulation damaged during the course of work.

8) Demolition - Parapets

Amend notes in Drawing 2-A-1 as follows: Remove EPDM from all parapets.

9) Roofing Underlayment & Recover

For both SBS membrane (07 52 16) and TPO membrane (07 54 23) roof systems:

Mechanically fasten 2" polyisocyanurate insulation and ½" cover board over and through original EPDM membrane and insulation. Fasten to resist uplift pressures at corners, perimeter and field of roof.

Delete references in drawings and specification to 5/8" gypsum board underlayment, originally intended to be installed between metal deck and polyisocyanurate insulation.

Delete references in SBS membrane (07 52 16) to 2.11 Vapor-Retarder and 3.6 Vapor-Retarder Installation and in TPO membrane (07 54 23) to 2.08 Vapor Retarder and 3.05 Vapor Retarder Installation.

The design intent of this change is to make the SBS and TPO systems the same below the roofing membrane.

10) Parapets

Delete Section 07 40 00 - Roofing and Siding Panels.

Amend drawings to require the installation of adhered TPO sheet flashing to all parapets, above a termination of the roofing membrane. Employ a termination bar detail to roofing membrane above top line of scuppers. Roofing membrane will be TPO under Base Bid and SBS under Add Alternate. Transition detail from roof membrane to parapet membrane shall be a standard detail of the roofing manufacturer, warrantable under its total roofing system guarantee.

The design intent of this change is to bring the entire roof/parapet/coping assembly under one manufacturer's total roofing system guarantee.

11) Sheet M105

The attached sheet M105 is revised to reflect natural gas piping above Library & Main Entrance areas routed on top of finished roof.

12) Sheet M201

The attached sheet M201 is revised as follows:

1. Roof Top Unit Detail 1/M201 revised to show that roof curb height shall be 14" standard curb height from top of structure up to top of roof curb.
2. Pipe Support Detail 8/M201 changed to molded reinforced fiberglass support base with neoprene pad and roof walk pad on top of roof membrane.

13) Sheets M301, M302 & M303

Add the following notes to the Roof Top Unit Schedule:

1. Factory installed non-fused disconnects are preferred for all units. Externally mounted NEMA 3R non-fused disconnects are acceptable for units that are unavailable with non-fused factory installed disconnects or that are only available with an unacceptably long lead time greater than 8 weeks. Units that are supplied with externally mounted NEMA 3R non-fused disconnects shall not have the externally mounted NEMA 3R disconnect mounted over the unit name plate data.
2. For units that are unavailable with a factory installed convenience receptacle contractor shall ensure an adjacent convenience receptacle is located within a minimum of 50'-0" distance. A factory mounted convenience receptacle in an adjacent roof top unit within the specified minimum distance shall be acceptable.

14) Sheet M302

The attached sheet M302 corrects illegible text in original printing and adds notes described in item 13) above.

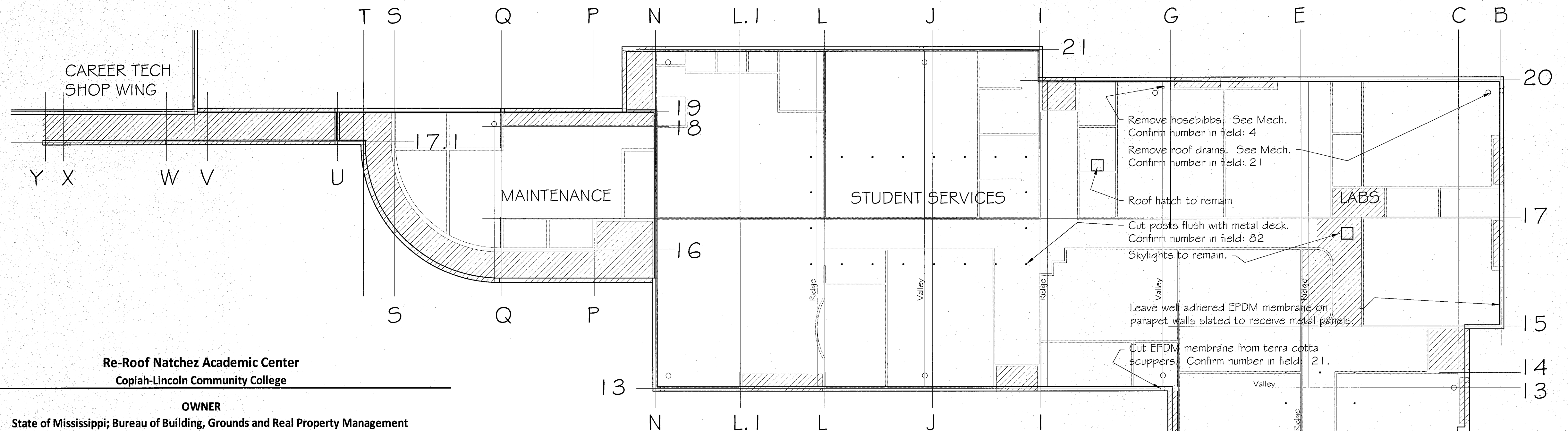
E N D

DRAWING INDEX

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M302 Roof-Top Air Conditioning Unit Schedule (Gas Heat)
Power Ventilator Schedule
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- E-100 Electrical Symbols, Legend & Schedules
E-200 Partial Electrical Floor Plan - Part A
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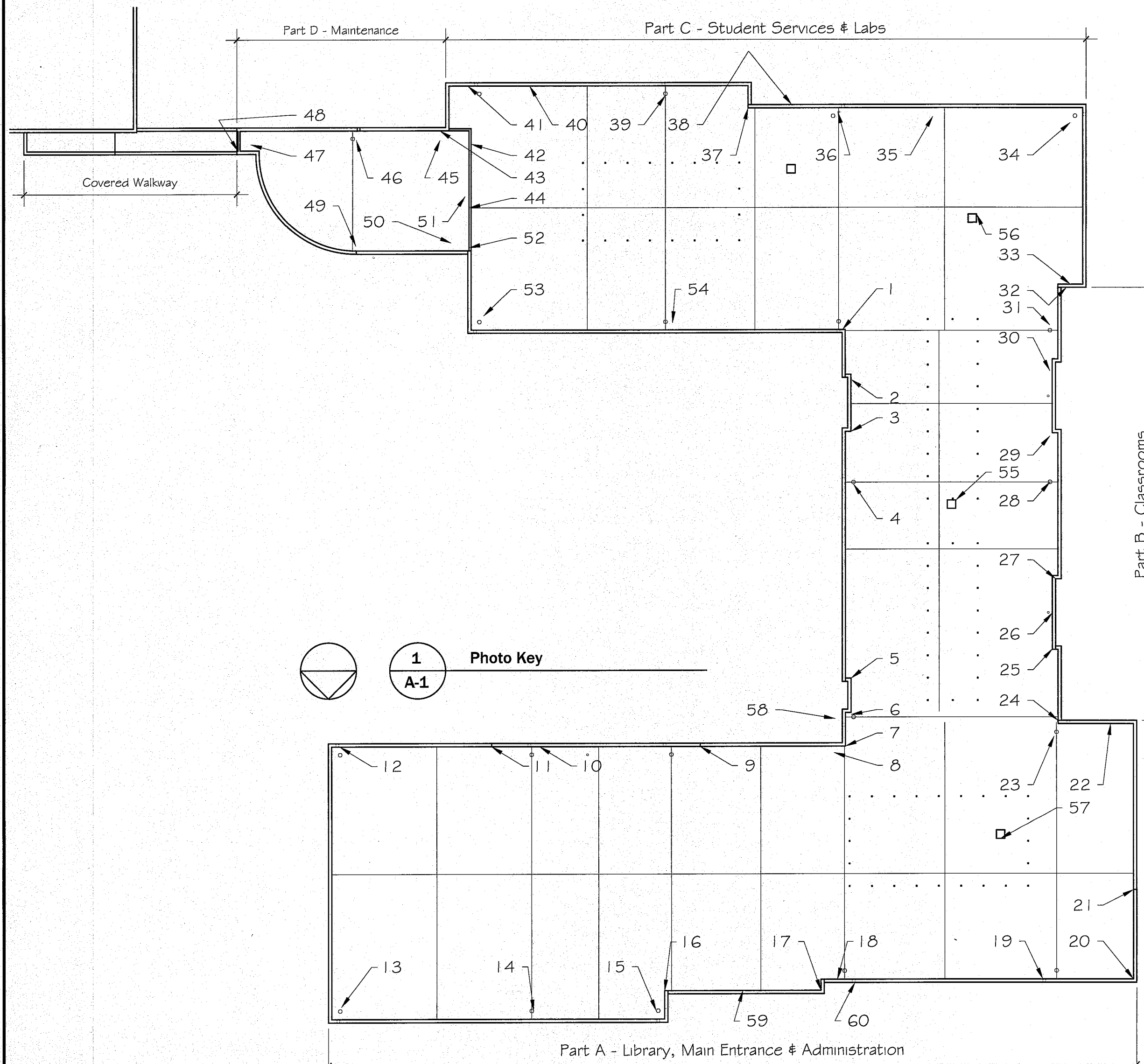
Re-Roof Natchez Academic Center
Copiah-Lincoln Community College

OWNER
State of Mississippi; Bureau of Building, Grounds and Real Property Management
501 North West Street, Suite 1401-B Woolfolk Building; Jackson, MS 39201
GS # 202-072

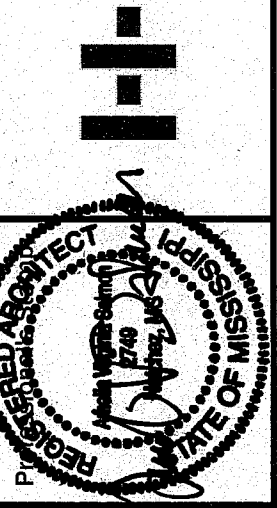
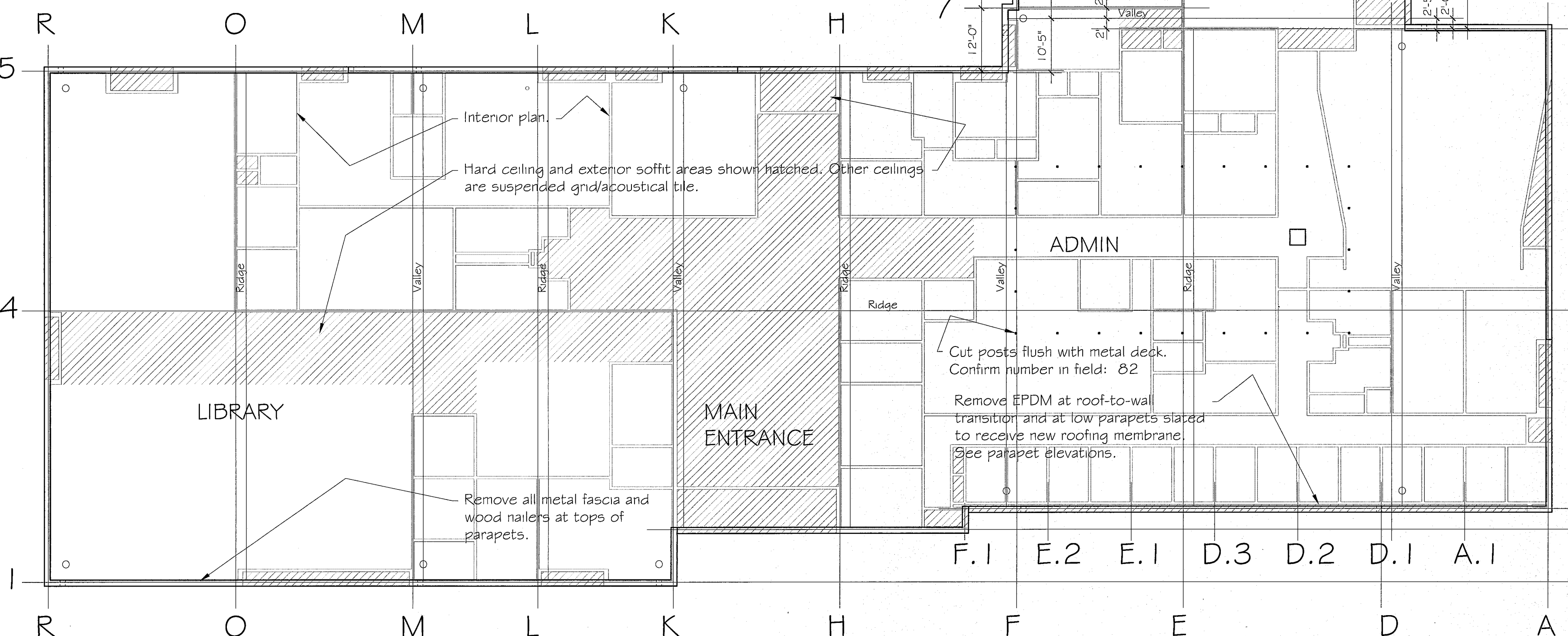
Architect
Salmon Architect

Mechanical Engineer
Engineering Resource Group
350 Edgewood Terrace Drive
Jackson, MS 39208
Phone: (601) 962-2652
Fax: (601) 962-5416

Electrical Engineer
Schultz & Wynne
Consulting Electrical Engineers
A Professional Association
JACKSON, MISSISSIPPI



2
A-1 **Roof Plan - Existing Conditions & Demolition**
 $\frac{1}{16}'' = 1'-0''$
0' 10' 30' 50'



Responsible
AMS

Description
Reprint
Date
10/16/14
Revisions
1
2
3

Salmon Architect
P.O. Box 1582 - 101 Clifton Avenue
Natchez, MS 39121 601-442-7090

Project Name
Re-Roof Natchez Academic Center; GS #202-072
Copiah-Lincoln Community College - Natchez, MS
Drawn By
AMS
Date
10/16/14
Existing Conditions

Project Number
1408

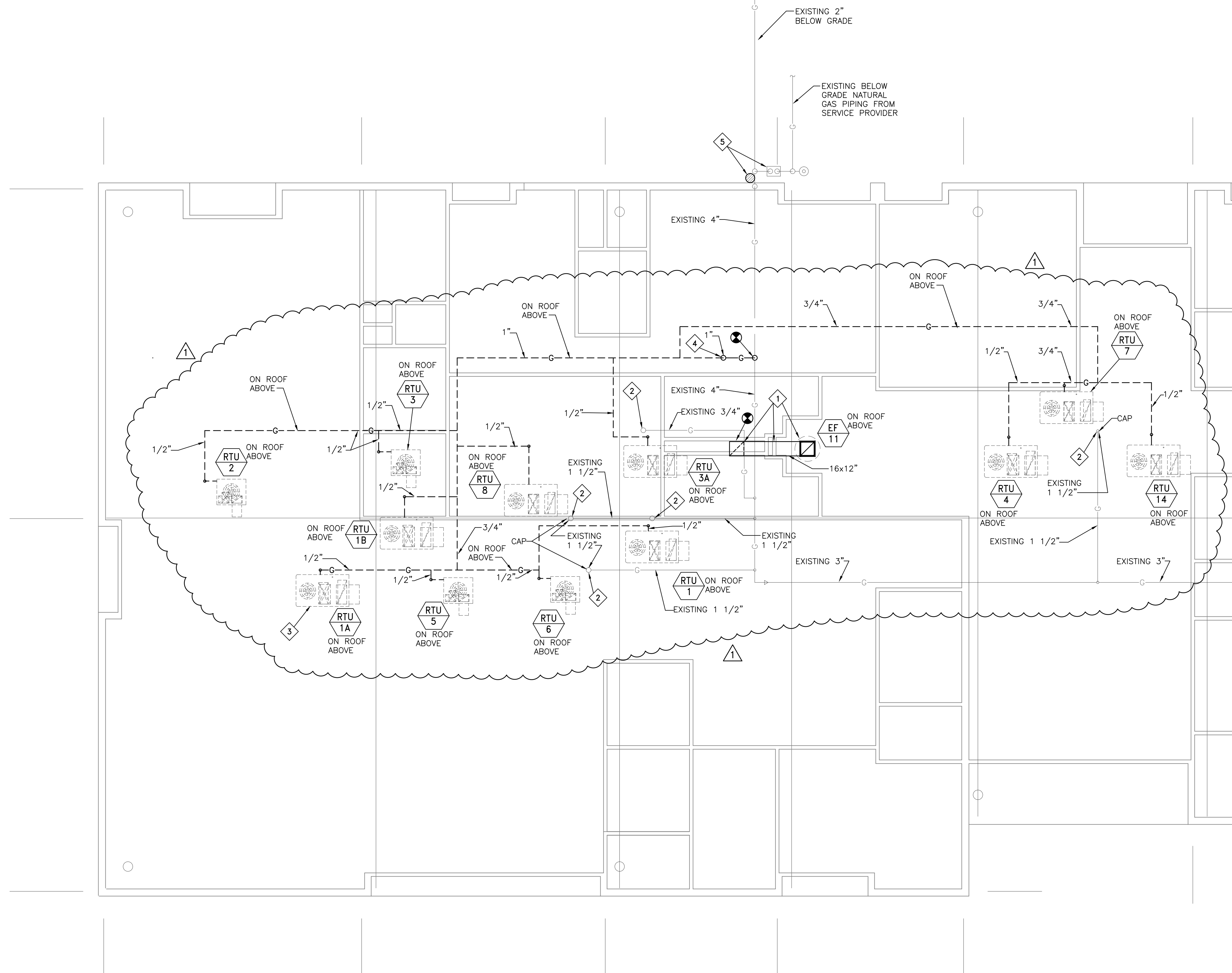
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Sheet Number

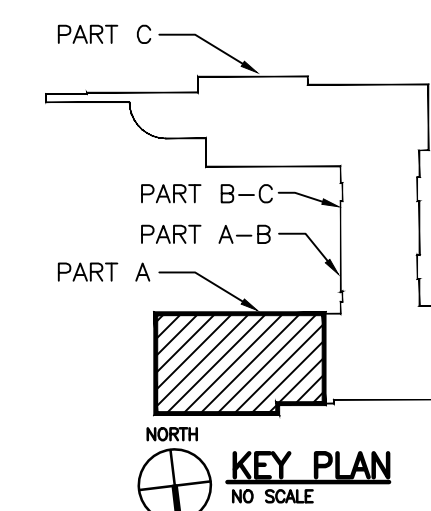
A-1
of 10 Sheets

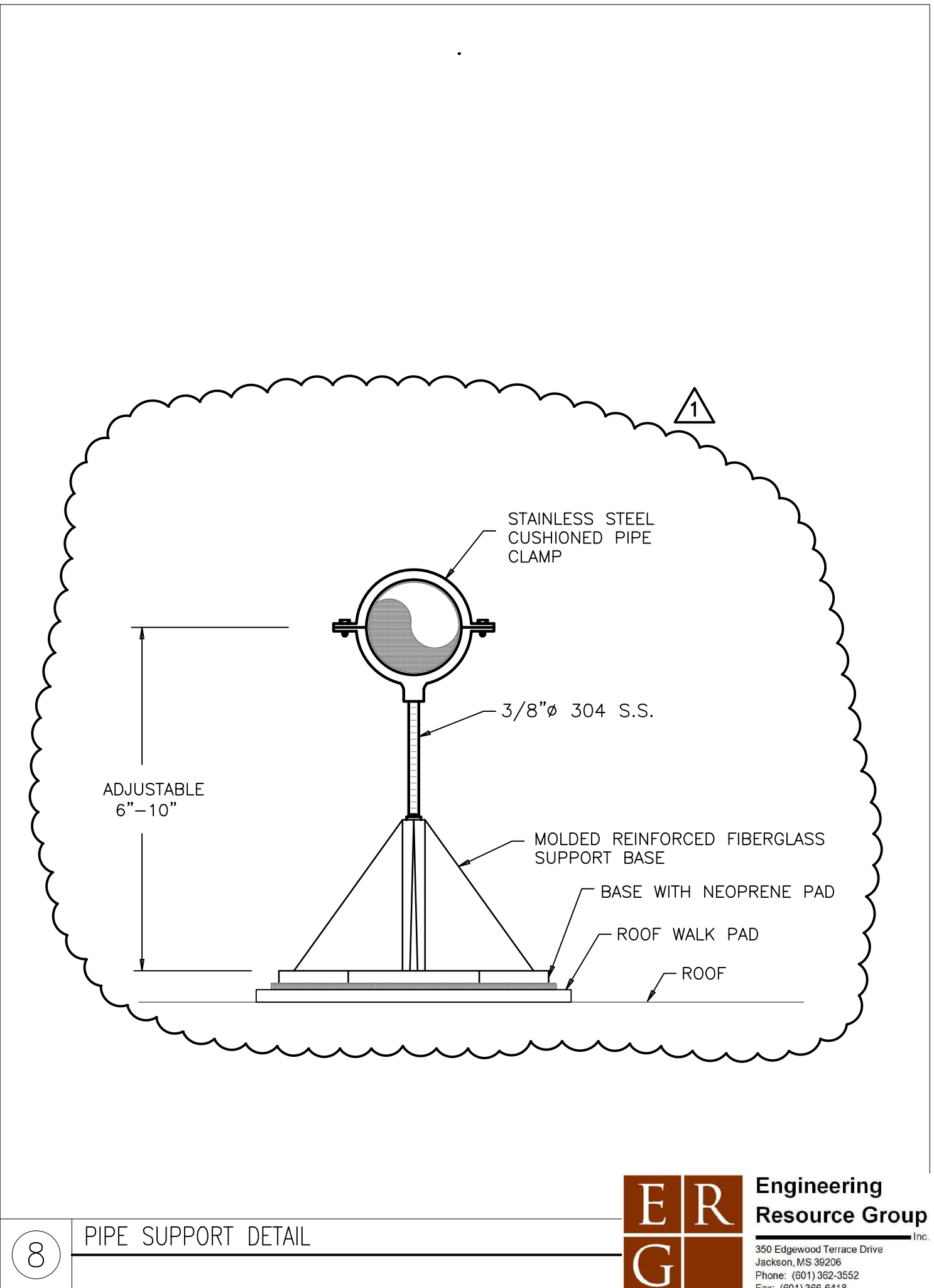
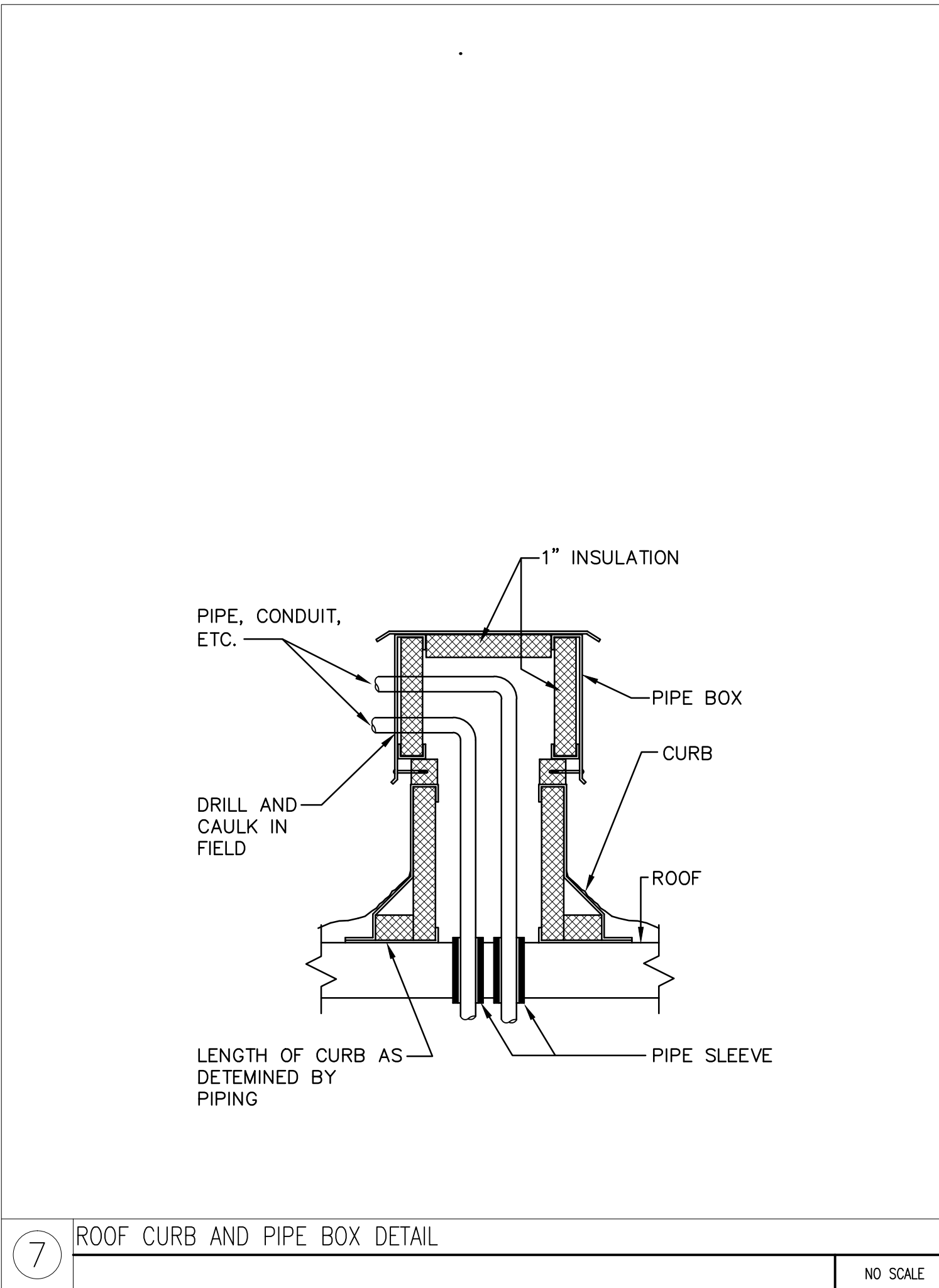
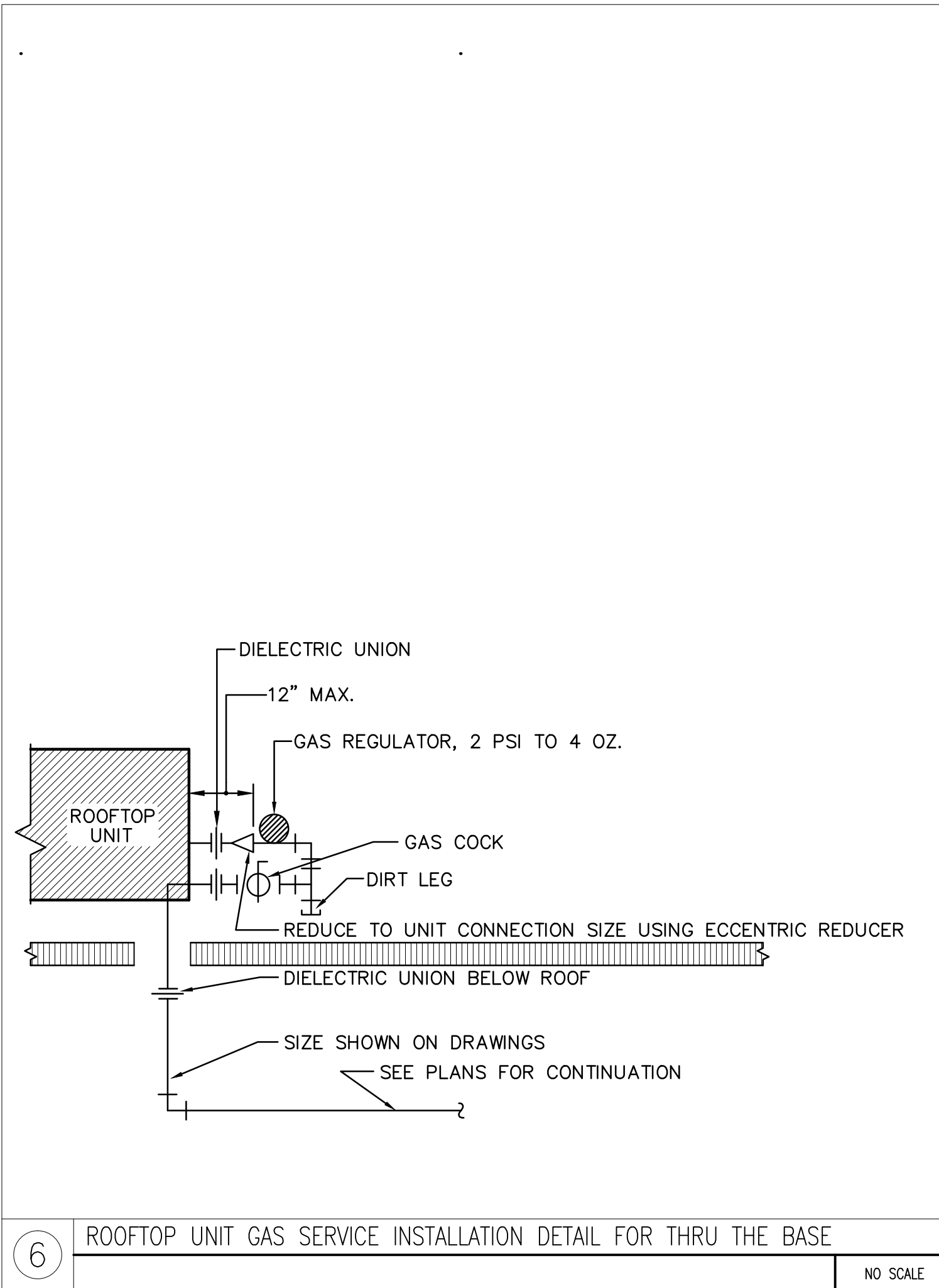
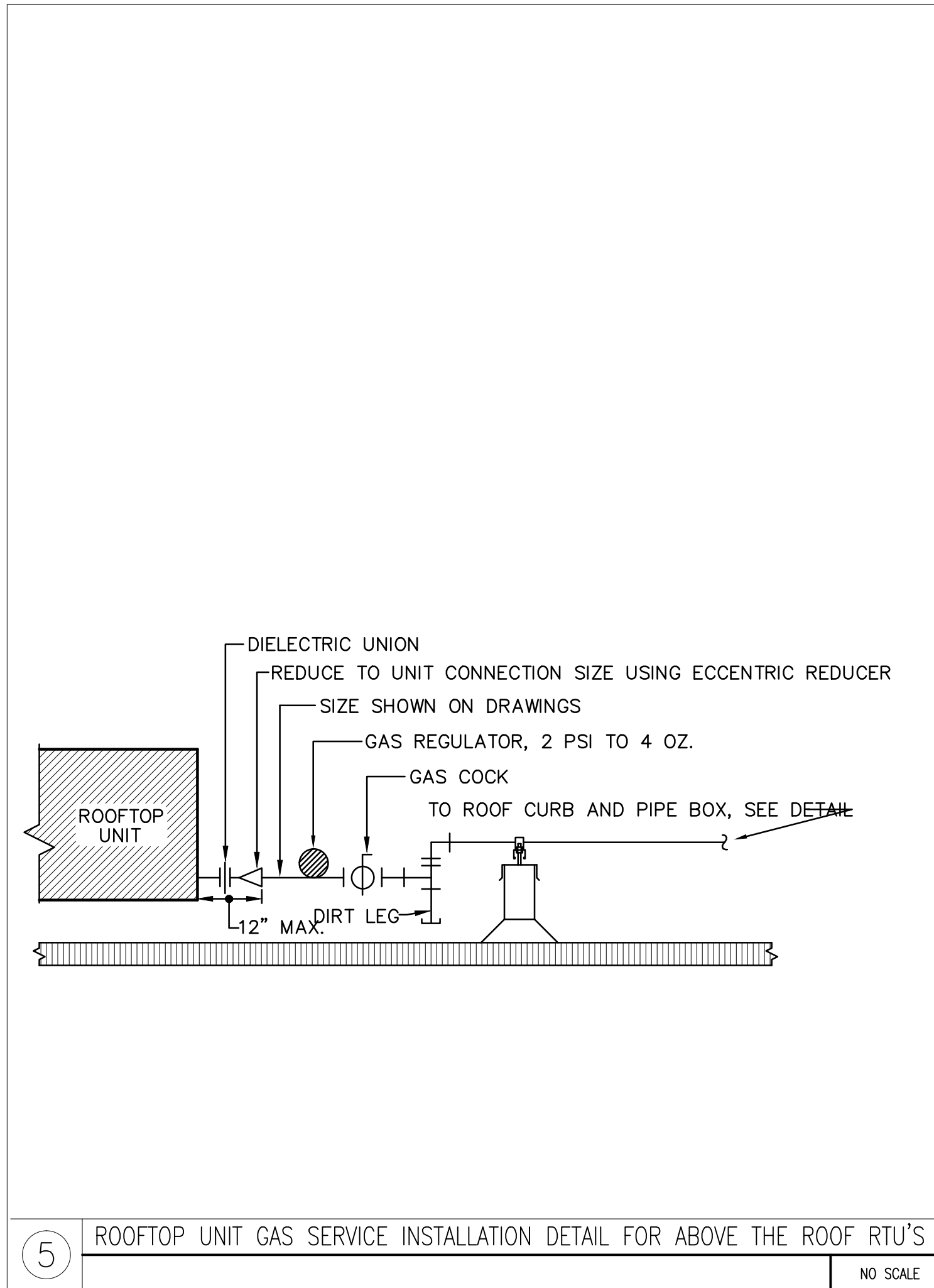
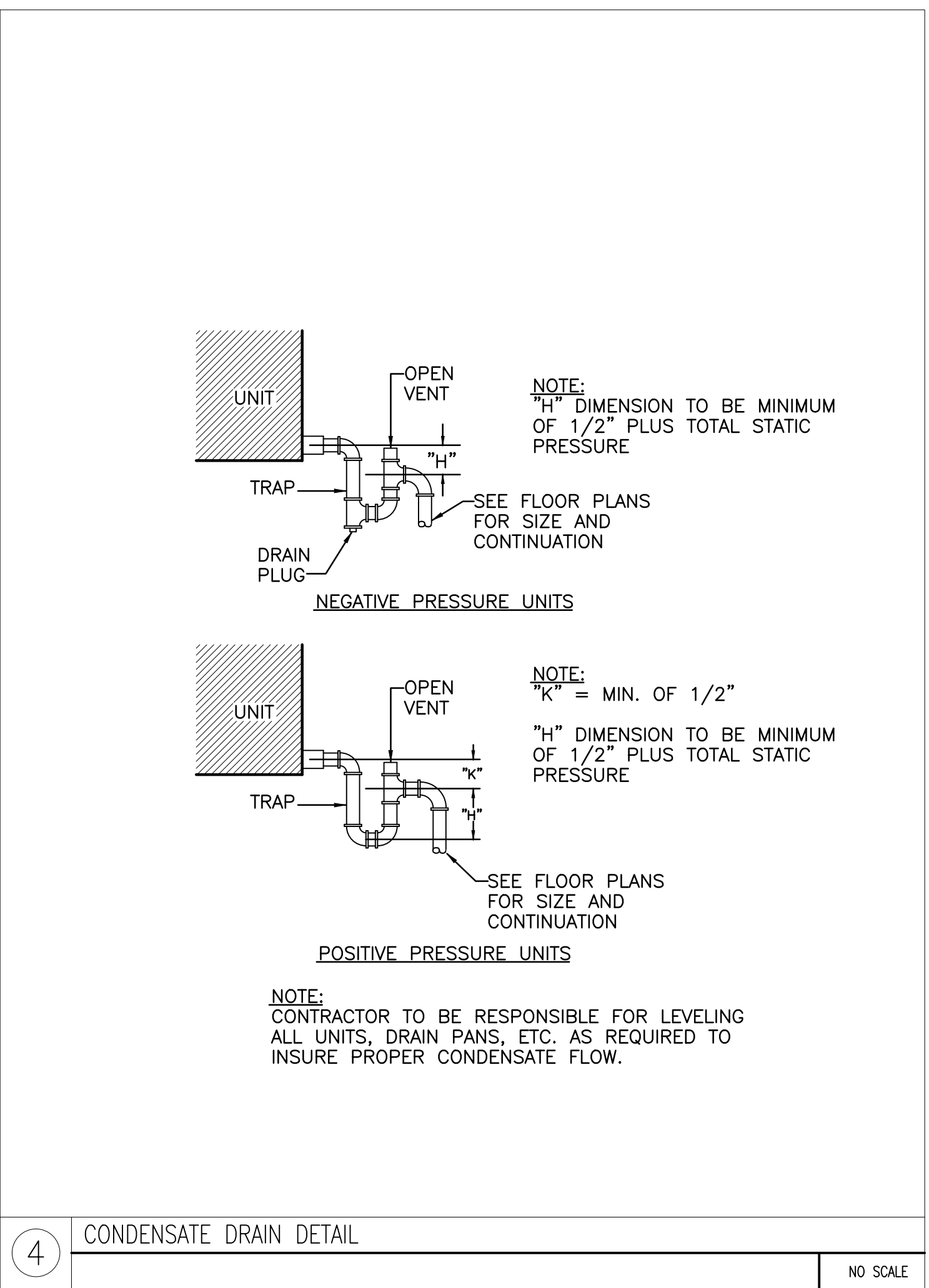
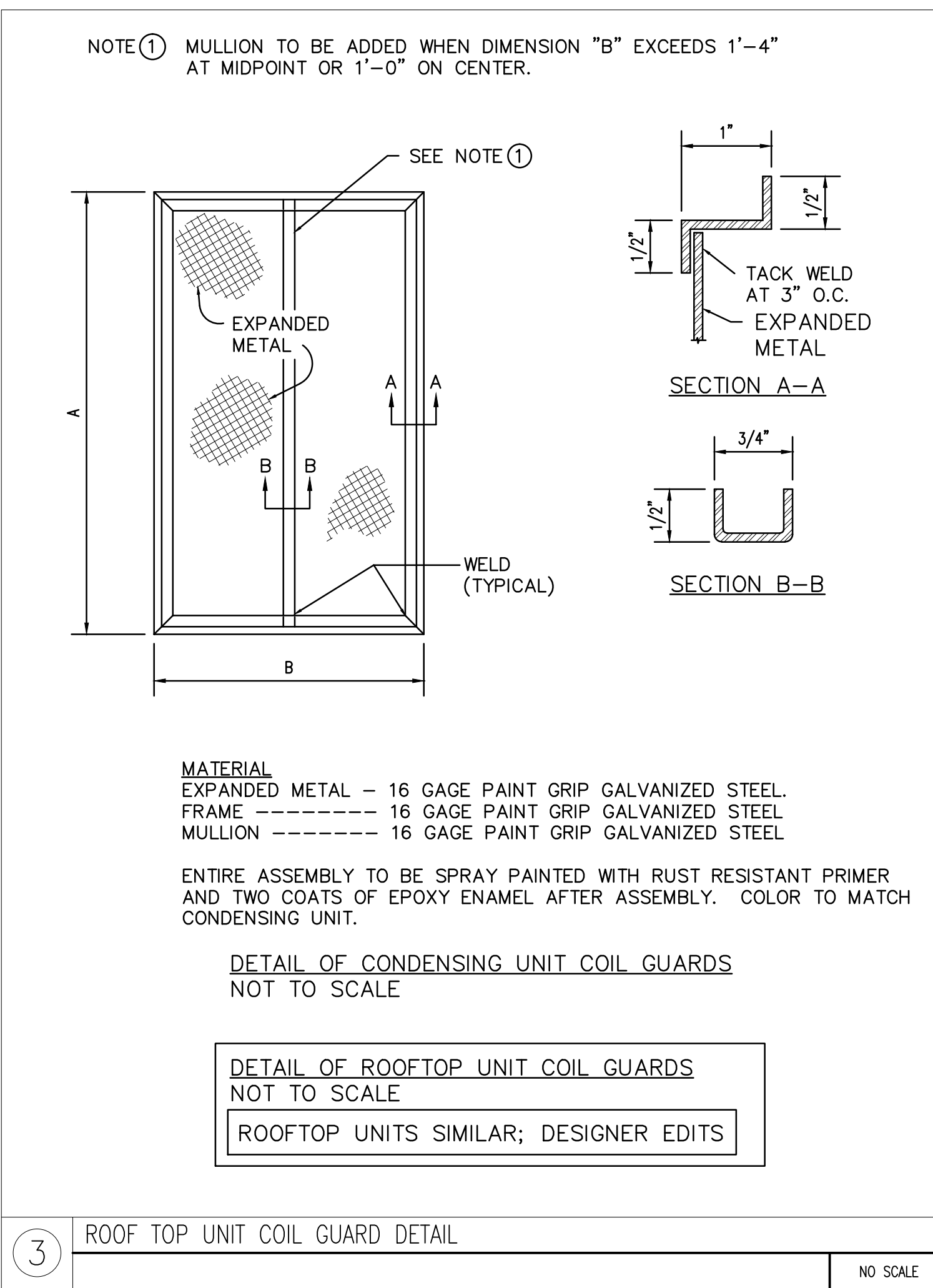
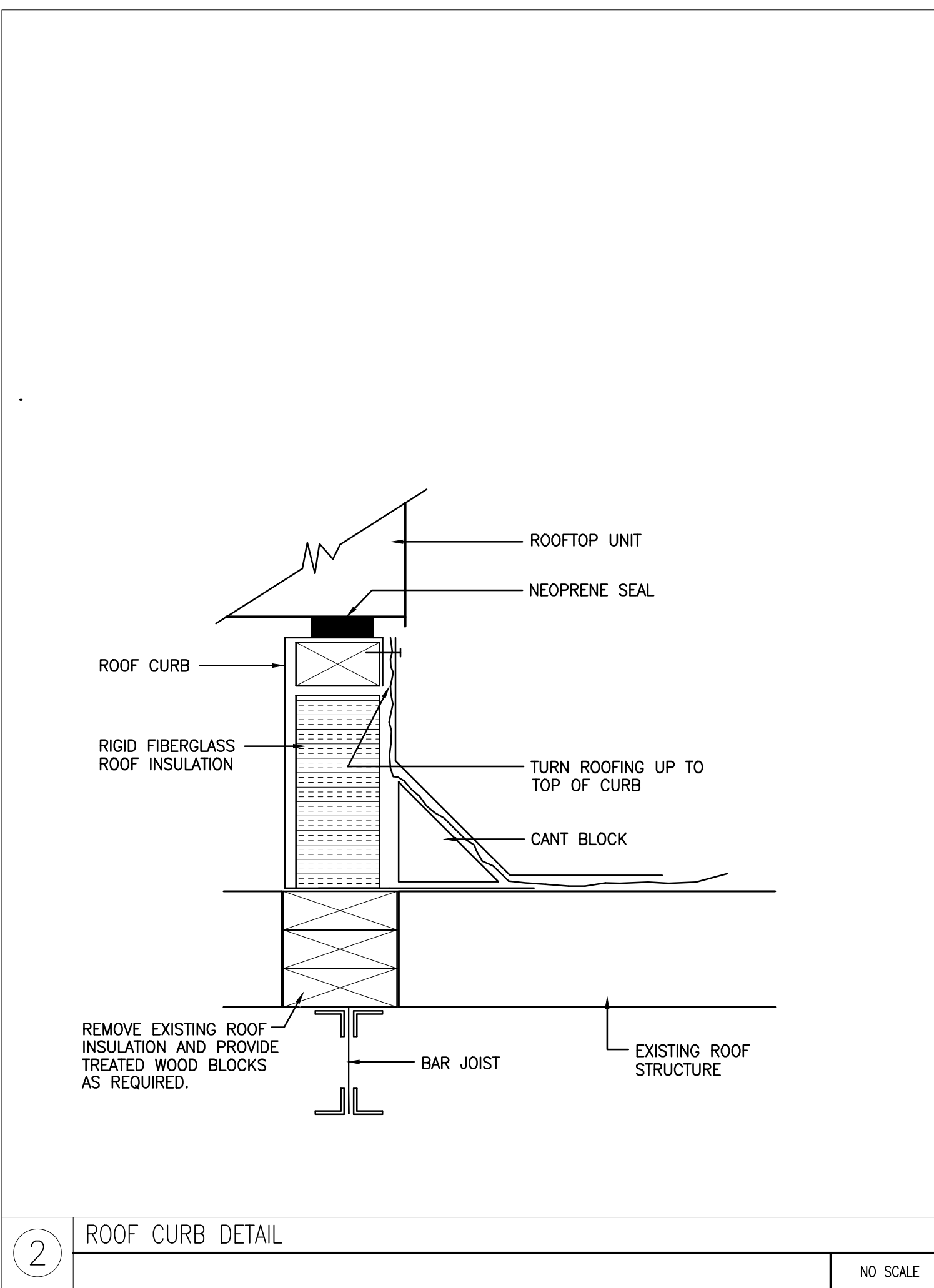
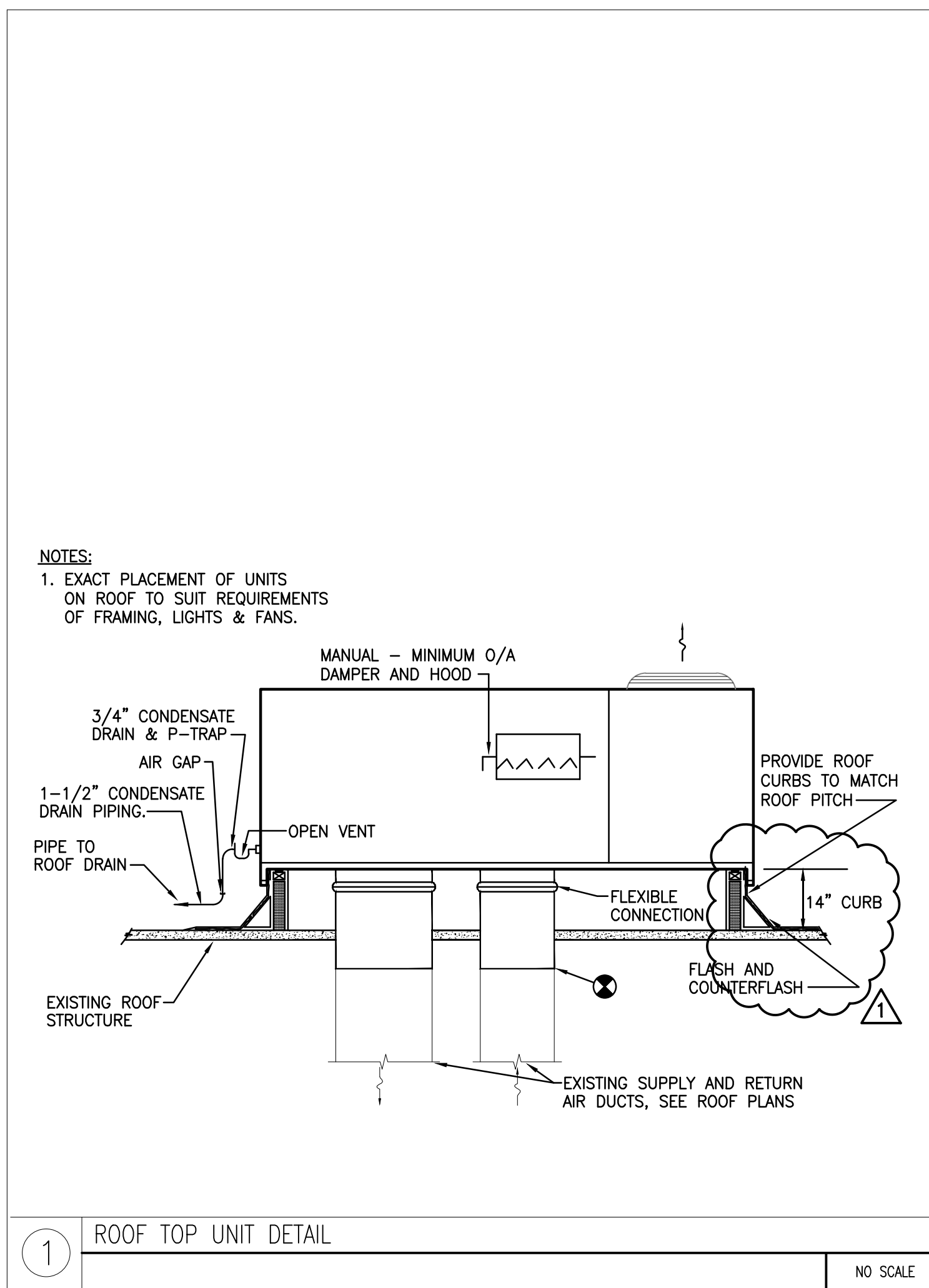
1. DUE TO THE INCREASE IN GAS PRESSURE THE EXISTING GAS PIPING SHALL BE PRESSURE TESTED AND ALL REPAIRS AND/OR MODIFICATIONS MADE AS REQUIRED.

- 1 CONNECT TO EXISTING EXHAUST DUCT ABOVE CEILING, VERIFY DUCT SIZE IN FIELD, AND OFFSET AS INDICATED TO NEW EXHAUST FAN LOCATION INDICATED TO MAINTAIN CODE REQUIRED MINIMUM 10"-0" DISTANCE TO ALL ADJACENT OUTSIDE AIR INTAKE SOURCES OF ADJACENT ROOF TOP UNITS.
- 2 CAP EXISTING NATURAL GAS PIPING BELOW ROOF LEVEL APPROXIMATELY THIS LOCATION, SIZE AS INDICATED.
- 3 ALL WORK ASSOCIATED WITH RTU-1A IS TO BE INCLUDED UNDER ADD ALTERNATE 2.
- 4 NATURAL GAS PIPING ROUTED UP THROUGH ROOF IN ROOF CURB AND PIPE BOX, SEE DETAIL #5 AND DETAIL #7 ON SHEET M201. CONTINUE AS INDICATED AND CONNECT TO ROOF TOP UNIT WITH DIRT LEG, GAS COCK, PRESSURE REGULATOR AND UNIONS.
- 5 EXISTING NATURAL GAS METER TO REMAIN. PROVIDE NEW NATURAL GAS REGULATOR 5 PSI TO 2 PSI AT 2800 CFH.



PARTIAL FLOOR PLAN - PART A - HVAC
SCALE: 1/8" = 1'-0"





ROOF-TOP AIR CONDITIONING UNIT SCHEDULE (GAS HEATING)

TAG	MANUFACTURER AND MODEL NO.	SERVES	SUPPLY FAN				COOLING										HEATING					ELECTRICAL SERVICE				APPROX. OPERATING WEIGHT, LBS	REMARKS	
			TOTAL CFM	O.A.—CFM		E.S.P	H.P.	O.A TEMP °Fdb	E.A.T °Fdb/°Fwb	L.A.T °Fdb/°Fwb	MIN. CAPACITY—MBH		E.E.R	COMPRESSOR		CONDENSER	E.A.T °Fdb	INPUT MBH	OUTPUT MBH	H.G.R.H MBH	FUEL	VOLTS	PHASE	MCA	MOCP			
RTU 32	TRANE MODEL YHC047 **	CLASSROOM	1600	375	375	0.70"	1.0	95.0	80.00/ 67.00	59.92/ 57.53	37.22	50.50	14.0	1	6.20	1	1.0	70.0	60.00	48.00	29.80	NAT. GAS	460	3	13.70	20.00	977.0	HAIL GUARDS, HINGED ACCESS PANELS, 14" HIGH PITCHED ROOF CURB, NON—FUSED DISCONNECT, THRU BASE GAS & ELEC, MOTORIZED OA DAMPER, MERV 8 FILTERS, SINGLE ZONE VARIABLE AIR VOLUME
RTU 33	TRANE MODEL YHC067 **	CLASSROOM	2000	300	300	0.70"	1.0	95.0	80.00/ 67.00	60.43/ 57.87	45.29	60.00	10.0	1	7.60	1	1.0	70.0	60.00	49.00	32.54	NAT. GAS	460	3	15.20	20.00	453.0	HAIL GUARDS, HINGED ACCESS PANELS, 14" HIGH PITCHED ROOF CURB, NON—FUSED DISCONNECT, THRU BASE GAS & ELEC, MOTORIZED OA DAMPER, MERV 8 FILTERS, SINGLE ZONE VARIABLE AIR VOLUME
RTU 34	TRANE MODEL YHC047 **	CLASSROOM	1600	375	375	0.70"	1.0	95.0	80.00/ 67.00	59.92/ 57.35	37.22	50.50	14.0	1	6.40	1	1.0	70.0	60.00	48.00	27.80	NAT. GAS	460	3	13.70	20.00	977.0	HAIL GUARDS, HINGED ACCESS PANELS, 14" HIGH PITCHED ROOF CURB, NON—FUSED DISCONNECT, THRU BASE GAS & ELEC, MOTORIZED OA DAMPER, MERV 8 FILTERS, SINGLE ZONE VARIABLE AIR VOLUME
RTU 35	TRANE MODEL YHC067 **	CLASSROOM	2000	300	300	0.70"	1.0	95.0	80.00/ 67.00	60.43/ 57.87	45.29	60.00	10.0	1	7.60	1	1.0	70.0	60.00	49.00	32.54	NAT. GAS	460	3	15.20	20.00	453.0	HAIL GUARDS, HINGED ACCESS PANELS, 14" HIGH PITCHED ROOF CURB, NON—FUSED DISCONNECT, THRU BASE GAS & ELEC, MOTORIZED OA DAMPER, MERV 8 FILTERS, SINGLE ZONE VARIABLE AIR VOLUME
RTU 36	TRANE MODEL YHC047 **	CLASSROOM	1600	375	375	0.70"	1.0	95.0	80.00/ 67.00	59.92/ 57.35	37.22	50.50	14.0	1	6.40	1	1.0	70.0	60.00	48.00	27.80	NAT. GAS	460	3	13.70	20.00	977.0	HAIL GUARDS, HINGED ACCESS PANELS, 14" HIGH PITCHED ROOF CURB, NON—FUSED DISCONNECT, THRU BASE GAS & ELEC, MOTORIZED OA DAMPER, MERV 8 FILTERS, SINGLE ZONE VARIABLE AIR VOLUME
RTU 37	TRANE MODEL YHC067 **	CLASSROOM	2000	300	300	0.70"	1.0	95.0	80.00/ 67.00	60.43/ 57.87	45.29	60.00	10.0	1	7.60	1	1.0	70.0	60.00	49.00	32.54	NAT. GAS	460	3	15.20	20.00	453.0	HAIL GUARDS, HINGED ACCESS PANELS, 14" HIGH PITCHED ROOF CURB, NON—FUSED DISCONNECT, THRU BASE GAS & ELEC, MOTORIZED OA DAMPER, MERV 8 FILTERS, SINGLE ZONE VARIABLE AIR VOLUME
RTU 38	TRANE MODEL YHC067 **	CLASSROOM	2000	300	300	0.70"	1.0	95.0	80.00/ 67.00	60.43/ 57.87	45.29	60.00	10.0	1	7.60	1	1.0	70.0	60.00	49.00	32.54	NAT. GAS	460	3	15.20	20.00	453.0	HAIL GUARDS, HINGED ACCESS PANELS, 14" HIGH PITCHED ROOF CURB, NON—FUSED DISCONNECT, THRU BASE GAS & ELEC, MOTORIZED OA DAMPER, MERV 8 FILTERS, SINGLE ZONE VARIABLE AIR VOLUME
RTU 39	TRANE MODEL YHC047 **	CLASSROOM	1600	375	375	0.70"	1.0	95.0	80.00/ 67.00	59.92/ 57.35	37.22	50.50	14.0	1	6.40	1	1.0	70.0	60.00	48.00	27.80	NAT. GAS	460	3	13.70	20.00	977.0	HAIL GUARDS, HINGED ACCESS PANELS, 14" HIGH PITCHED ROOF CURB, NON—FUSED DISCONNECT, THRU BASE GAS & ELEC, MOTORIZED OA DAMPER, MERV 8 FILTERS, SINGLE ZONE VARIABLE AIR VOLUME

SINGLE ZONE VARIABLE AIR VOLUME

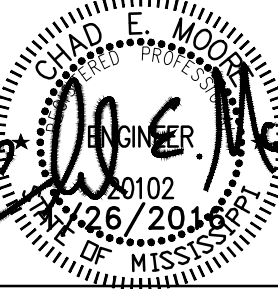
** CONNECT NEW RTU CONTROL WIRING THROUGH THE FIRE ALARM SMOKE DETECTORS. CONNECT FACTORY MOUNTED SUPPLY AIR AND RETURN AIR SMOKE DETECTORS OR NEW DUCT MOUNTED SUPPLY AIR AND RETURN AIR SMOKE DETECTORS TO EXISTING FIRE ALARM SYSTEM.

*** FACTORY INSTALLED NON-FUSED DISCONNECTS ARE PREFERRED FOR ALL UNITS. EXTERNALLY MOUNTED NEMA 3R NON-FUSED DISCONNECTS ARE ACCEPTABLE FOR UNITS THAT ARE UNAVAILABLE WITH FACTORY INSTALLED NON-FUSED DISCONNECTS OR THAT ARE ONLY AVAILABLE WITH AN UNACCEPTABLY LONG LEAD TIME GREATER THAN 8 WEEKS. UNITS THAT ARE SUPPLIED WITH EXTERNALLY MOUNTED NEMA 3R NON-FUSED DISCONNECTS SHALL NOT HAVE THE EXTERNALLY MOUNTED NEMA 3R NON-FUSED DISCONNECT MOUNTED OVER THE UNIT NAME PLATE DATA.

**** FOR UNITS THAT ARE UNAVAILABLE WITH A FACTORY INSTALLED CONVENIENCE RECEPTACLE CONTRACTOR SHALL ENSURE AN ADJACENT CONVENIENCE RECEPTACLE IS LOCATED WITHIN A MINIMUM OF 50'-0" DISTANCE. A FACTORY MOUNTED CONVENIENCE RECEPTACLE IN AN ADJACENT ROOF TOP UNIT WITHIN THE SPECIFIED MINIMUM DISTANCE SHALL BE ACCEPTABLE.

POWER VENTILATOR SCHEDULE

TAG	MANUFACTURER AND MODEL NO.	TYPE	SERVES	CFM	ESP	MOTOR HP(AMPS)-V-PH	FAN SPEED RPM	DRIVE	SOUND POWER dBA	ON/OFF	INTERLOCK	APPROXIMATE OPERATING WEIGHT, LBS	REMARKS	TAG
EF 1	GREENHECK GB-300-3	CENTRIFUGAL ROOF	SERVICE BAY 234	3800	0.125	1/3-115-1	300	BELT	5.1 SONES	SWITCH	NONE	189	FACTORY MOUNTED DISCONNECT, INTEGRAL BACK-DRAFT DAMPER, FACTORY ROOF CURB	EF 1
EF 2	GREENHECK G-060-VG	CENTRIFUGAL ROOF	TOILET 224	90	0.25	VG 1/6-115-1	1457	DIRECT	3.1 SONES	EMCS	NONE	45	FACTORY MOUNTED DISCONNECT, SOLID STATE SPEED CONTROLLER, INTEGRAL BACK-DRAFT DAMPER, FACTORY ROOF CURB	EF 2
EF 3	GREENHECK CUE-131-VG	CENTRIFUGAL UPBLAST	GRIDDLE HOOD	1664	0.75	VG 3/4-115-1	1536	DIRECT	14.5 SONES	SWITCH	NONE	92	FACTORY MOUNTED DISCONNECT, SOLID STATE SPEED CONTROLLER, FACTORY ROOF CURB	EF 3
EF 4	GREENHECK CUE-095-VG	CENTRIFUGAL UPBLAST	DISHWASHER HOOD	600	0.50	VG 1/6-115-1	1542	DIRECT	8.0 SONES	SWITCH	NONE	61	FACTORY MOUNTED DISCONNECT, SOLID STATE SPEED CONTROLLER, FACTORY ROOF CURB	EF 4
EF 5	CONTRACTORS OPTION (TALLER CURB) GREENHECK G-095-VG	CENTRIFUGAL ROOF	WOMENS 219 LOCKERS	695	0.375	VG 1/6-115-1	1657	DIRECT	10.0 SONES	EMCS	NONE	54	FACTORY MOUNTED DISCONNECT, SOLID STATE SPEED CONTROLLER, INTEGRAL BACK-DRAFT DAMPER, FACTORY ROOF CURB	EF 5
EF 6	CONTRACTORS OPTION (TALLER CURB) GREENHECK G-095-VG	CENTRIFUGAL ROOF	MENS 220 LOCKERS	695	0.375	VG 1/6-115-1	1657	DIRECT	10.0 SONES	EMCS	NONE	54	FACTORY MOUNTED DISCONNECT, SOLID STATE SPEED CONTROLLER, INTEGRAL BACK-DRAFT DAMPER, FACTORY ROOF CURB	EF 6
EF 7	GREENHECK VEKTOR-H-10-6	LABORATORY HIGH PLUME	FUME HOOD, SCIENCE LAB 208	1044 522 MIN.	0.75	1 1/2-115-1	3233	BELT	8.1	FUME HOOD, SCIENCE LAB 208	FUME HOOD, SCIENCE LAB 208	458	FACTORY MOUNTED DISCONNECT, EXTRA HIGH FACTORY ROOF CURB, BYPASS DAMPER & ACTUATOR, ISOLATION DAMPER & ACTUATOR	EF 7
EF 8	GREENHECK G-103-VG	CENTRIFUGAL ROOF	MENS 191 AND WOMENS 192 TOILETS	1140	0.50	VG 1/4-115-1	1722	DIRECT	10.2 SONES	EMCS	NONE	68	FACTORY MOUNTED DISCONNECT, SOLID STATE SPEED CONTROLLER, INTEGRAL BACK-DRAFT DAMPER, FACTORY ROOF CURB	EF 8
EF 9	GREENHECK G-060-VG	CENTRIFUGAL ROOF	TOILET 141	60	0.25	VG 1/6-115-1	1349	DIRECT	2.7 SONES	EMCS	NONE	18	FACTORY MOUNTED DISCONNECT, SOLID STATE SPEED CONTROLLER, INTEGRAL BACK-DRAFT DAMPER, FACTORY ROOF CURB	EF 9
EF 10	GREENHECK G-098-VG	CENTRIFUGAL ROOF	MENS AND WOMENS TOILETS	550	0.50	VG 1/4-115-1	1484	DIRECT	8.7 SONES	EMCS	NONE	68	FACTORY MOUNTED DISCONNECT, SOLID STATE SPEED CONTROLLER, INTEGRAL BACK-DRAFT DAMPER, FACTORY ROOF CURB	EF 10
EF 11	GREENHECK G-99-VG	CENTRIFUGAL ROOF	MENS AND WOMENS TOILETS	710	0.50	VG 1/4-115-1	1401	DIRECT	9.0 SONES	EMCS	NONE	68	FACTORY MOUNTED DISCONNECT, SOLID STATE SPEED CONTROLLER, INTEGRAL BACK-DRAFT DAMPER, FACTORY ROOF CURB	EF 11



Revisions: 2
Date: 10/21/16
Description: REVISED NOTES FOR ROOF TOP UNIT SCHEDULE
Responsible: RH

Salmon Architect
P.O. Box 1582
Natchez, MS 39121
601 442-7090

Project Name: Re-Roof Natchez Academic Center
Copiah-Lincoln Community College - Natchez, MS
Drawn This Page: Roof Top Air Conditioning Unit Schedule (Gas Heat)
Power Ventilator Schedule
Makeup Air Unit Schedule (Direct Fired)

Project Number
1408

1-26-2016

Sheet Number

M302
of 26 Sheets